Whirlpool

Service Manual

Washing machine
Toploader
AWG 036/WP-AWG 1036

Model AWG 036/WP
Version 8537 036 17500

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This documentation is only intended for qualified technicians who are aware of the respective safety regulations.
Date: 03.06.1997 Mod. 01
Document-No.: 4812 712 11896
Subject to modification

Technical data

Dimension

Height	88,0	cm
Width	40,0	cm
Depth	60,0	cm

Weight

Net weight	61	kg
With package	64	kg

General specifications

Voltage	220-240	V
Frequency	50	Hz
Power consumption	2,2	kW
Fuse	10	A

Drum data

Drum speed

Washing	52	rpm
Spinning	1070	rpm

Volume

Capacity	max.5	kg
Volume	43	l

Electrical building parts

Heating with NTC

Type	Tubular radiator	
Rated power draft	1,85	kW
Mains Voltage	220-240	V

Drain pump

Power consumption	40	W
Capacity	11,5	l/min
Rotation speed	3000	rpm
Height of drain hose	max.1,0	m
	min. 0,55	m

NTC

Resistance NTC		
30˚C	9,78	kΩ
40˚C	6,90	kΩ
50˚C	4,77	kΩ
58˚C	3,47	kΩ
69˚C	2,40	kΩ
86˚C	1,37	kΩ

Motor

Type	MCA 52/64-148 IRA

Timer

Type	EC4517

Pressostat

Quantity of water at switching point without laundry		
Foam level	2 ± 1	l
Level 1(N1)	6,5 ± 1	l
Level 2	(N1 + tx)	
Savety level	29 ± 2	l

Push button switch unit

Version with 5 buttons having switches for:

- On / Off
- 1/2 load
- Rapide washing
- ACP
- Eco

Temperature selector switch

Positions	7	
Value of resistors		
Pos. 1	0	
Pos. 2	0,68	kΩ± 5%
Pos. 3	1,10	kΩ± 5%
Pos. 4	1,80	kΩ± 5%
Pos. 5	2,70	kΩ± 5%
Pos. 6	3,60	kΩ± 5%
Pos. 7	4,70	kΩ± 5%

Spare part list

Model **AWG 036/WP**
Service No. **853703617500**
Version **853703617500**

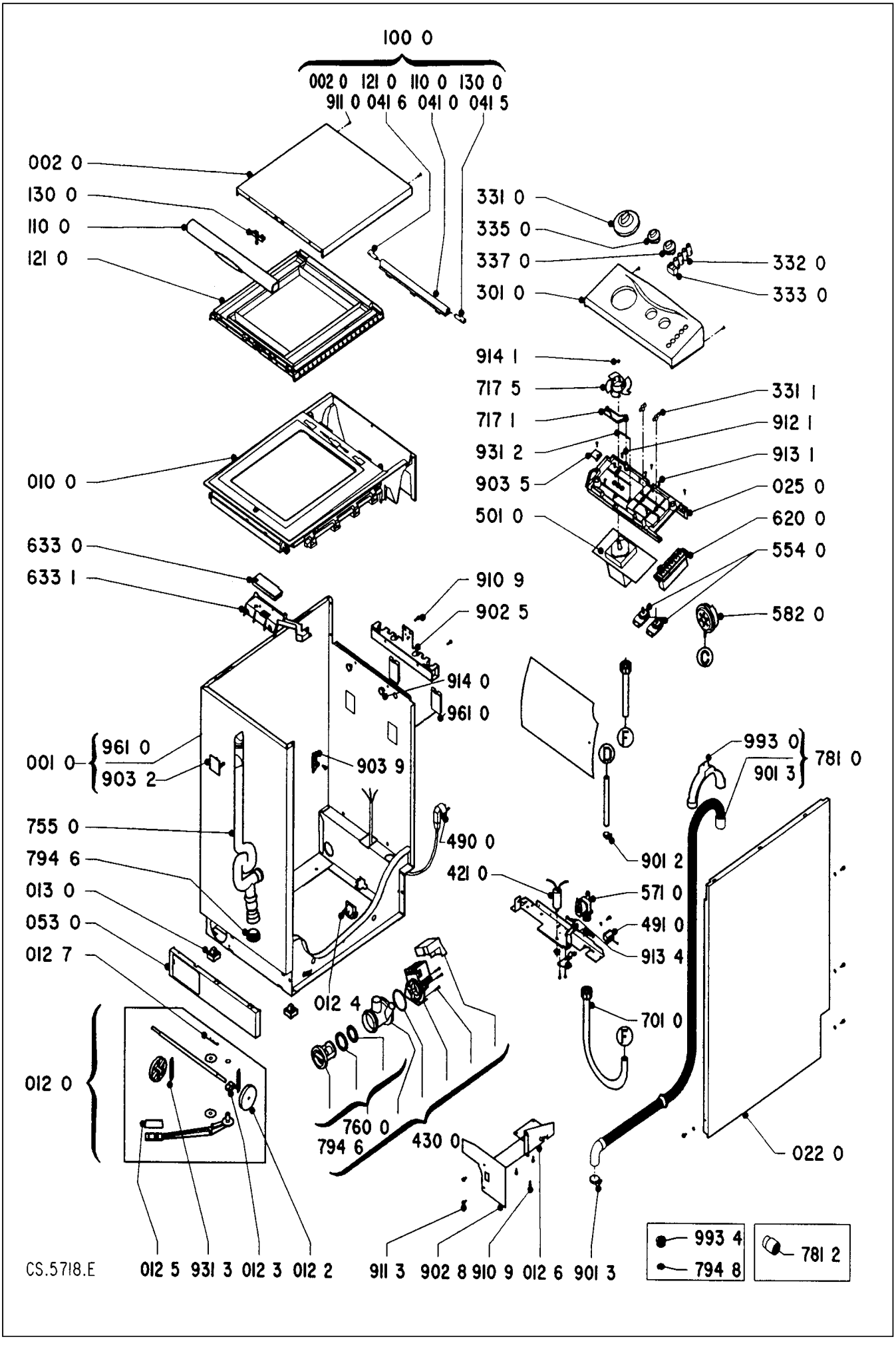
Pos. No.	12NC Code	Description
001 0	**4819 440 19493**	Cabinet
002 0	**4819 440 19507**	Door
010 0	**4819 459 48516**	Surround,top
012 0	**4819 310 18304**	Trolley kit
012 2	**4819 528 78044**	Wheel
012 3	**4819 532 68171**	Bracket for trolly
012 4	**4819 528 78045**	Roller rear
012 5	**4819 498 68976**	Handle for trolly
012 6	**4819 462 79426**	Support trolley
012 7	**4819 530 78037**	Clip trolley
013 0	**4819 462 48277**	Foot, fix
022 0	**4819 440 18976**	Panel,side
025 0	**4819 404 78395**	Holder
041 0	**4819 417 19477**	Hinge
041 5	**4819 417 19315**	Friction plate right
041 6	**4819 417 19316**	Friction plate left
053 0	**4819 440 19508**	Plinth
061 0	**4819 466 89041**	Counter weight upper
061 1	**4819 466 88978**	Counter weight lower
061 2	**4819 466 88752**	Fastener
080 0	**4819 529 18053**	Shock absorber
100 0	**4819 440 19809**	Door Service Kit WP
110 0	**4819 498 78195**	Handle,door
121 0	**4819 440 19792**	Door,inner
130 0	**4819 535 98518**	Hook
200 0	**4819 418 18275**	Tub
201 0	**4819 440 19606**	Cover
220 0	**4819 418 18306**	Drum
223 0	**4819 418 49713**	Drum lifter
271 0	**4819 358 18134**	Belt
272 0	**4819 520 28036**	Pulley
272 1	**4819 532 28263**	Ring Cone 10 degres
292 0	**4819 532 68244**	Gasket tub
301 0	**4819 453 28002**	Control panel
331 0	**4819 412 58603**	Knob,timer
331 1	**4812 413 18198**	Adapter Button
332 0	**4819 410 28898**	Button
333 0	**4819 410 28897**	Button
335 0	**4819 412 58602**	Knob thermostat
337 0	**4819 412 58564**	Knob
401 0	**4819 361 58139**	Motor
401 1	**4819 310 88529**	Brush,carbon
421 0	**4819 218 38031**	Interf.filter
430 0	**4819 360 18203**	Pump,draining synchronus
451 0	**4819 259 28889**	Heating element
451 2	**4819 404 49558**	Clamp Heating element
490 0	**4819 321 18111**	Cable,mains
491 0	**4819 290 68113**	Connectionblock
501 0	**4819 282 18718**	Timer
501 1	**4819 281 68026**	Coil
554 0	**4819 273 28439**	Selector Temp/Speed
571 0	**4819 281 28265**	Valve,magnet
582 0	**4819 271 28993**	Pressostat
620 0	**4819 276 58017**	Unit,pushbutton
633 0	**4819 271 38144**	Switch, door
633 1	**4819 417 58121**	Protector door
701 0	**4819 530 28927**	Hose, inlet 1,5 m hot
702 0	**4819 530 28896**	Hose
711 0	**4819 459 48517**	Tub
712 0	**4819 440 19595**	Door
712 1	**4819 535 98431**	Shaft
712 2	**4819 535 38109**	Clip
717 0	**4819 323 28009**	Bowden cable
717 1	**4819 466 98788**	Slide
717 5	**4819 528 38445**	Cam
753 0	**4819 530 28811**	Chamber,air
754 0	**4819 530 28504**	Drainhose inner Tub/Pump
755 0	**4819 530 48443**	Hose over flow
760 0	**4819 360 78363**	Lid pump
781 0	**4819 530 28783**	Hose,draining
781 2	**4819 532 68554**	Sleeve hose
794 5	**4819 530 58026**	Gasket Air chamber
794 6	**4819 530 58031**	Gasket
794 8	**4819 532 58159**	Gasket 1/2
901 0	**4819 401 18806**	Strap
901 1	**4819 492 68337**	Strap
901 2	**4819 401 18362**	Strap SNP 8
901 3	**4819 401 18563**	Clamp,hose
901 5	**4819 535 38038**	Clip bearing
902 1	**4819 401 18579**	Bracket
902 5	**4819 401 18572**	Holder hose
902 8	**4819 404 78396**	Tube,stabilizer over flow
903 2	**4819 404 49431**	Support overflow
903 3	**4819 492 68338**	Clip tub
903 5	**4819 401 18585**	Fastener sleeve
903 7	**4819 492 68381**	Clip
903 9	**4819 404 49688**	Support Top
910 0	**4819 502 38231**	Screw
910 1	**4819 502 18417**	Screw
910 5	**4819 502 38265**	Screw VAB 4,5x20
910 9	**4819 502 38286**	Screw PLASGOB ST 45
911 0	**4819 502 18465**	Screw
911 2	**4819 502 18343**	Screw TF 5x30
911 3	**4819 502 38233**	Screw N1 2x1/2
911 4	**4819 502 38289**	Screw
911 5	**4819 502 18202**	Screw CHC 6x25
911 6	**4819 502 38232**	Screw TF 4x20
912 0	**4819 500 18108**	Screw TH 8x60
912 1	**4819 502 18206**	Screw TF 4x12
912 7	**4819 502 18209**	Screw JAPY 8x160
912 8	**4819 502 18208**	Screw JAPY 8x110
913 1	**4819 502 38288**	Screw PLASGOB SP T45
913 4	**4819 502 18211**	Screw earth
914 0	**4819 532 68363**	Fastener
914 1	**4819 505 18283**	Nut M 5
915 1	**4822 505 10547**	Nut
923 0	**4819 532 38095**	Disc
923 5	**4819 532 58107**	Washer 8,3 x 30
923 6	**4819 532 28763**	Washer AZ 8
923 7	**4819 532 18174**	Small plate

Spare part list

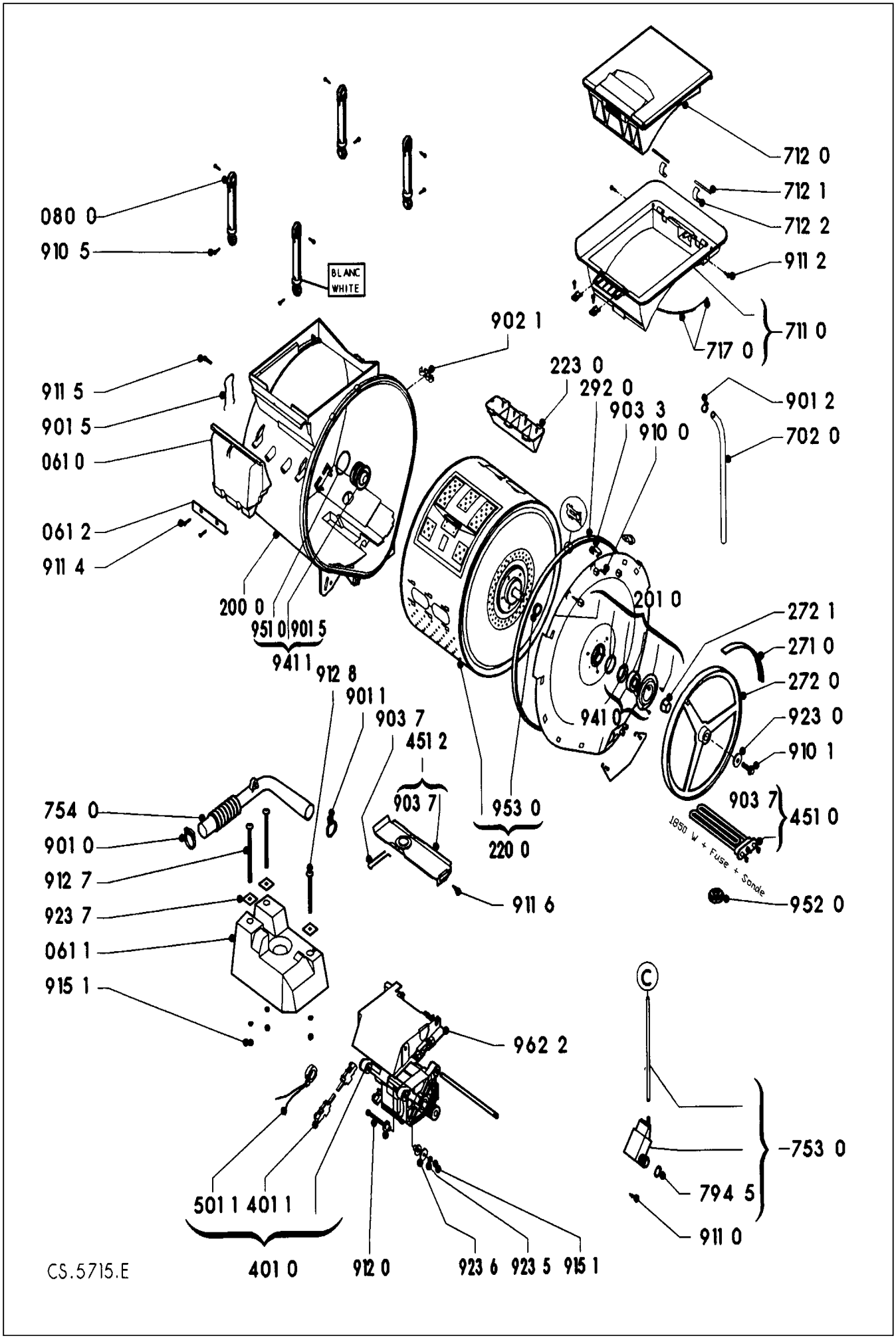
Model	**AWG 036/WP**
Service No.	**853703617500**
Version	**853703617500**

Pos. No.	12NC Code	Description
931 2	**4819 492 38084**	Spring Slide
931 3	**4819 492 38085**	Spring
941 0	**4819 520 28029**	Bearing, kit
941 1	**4819 520 28026**	Bearing
951 0	**4819 530 58029**	Gasket
952 0	**4819 462 79347**	Gasket container
953 0	**4819 325 68041**	Gasket V25
961 0	**4819 440 19472**	Shutter
962 2	**4819 462 79336**	Protector motor
993 0	**4819 401 18581**	Bow
993 4	**4819 526 48128**	Adapter

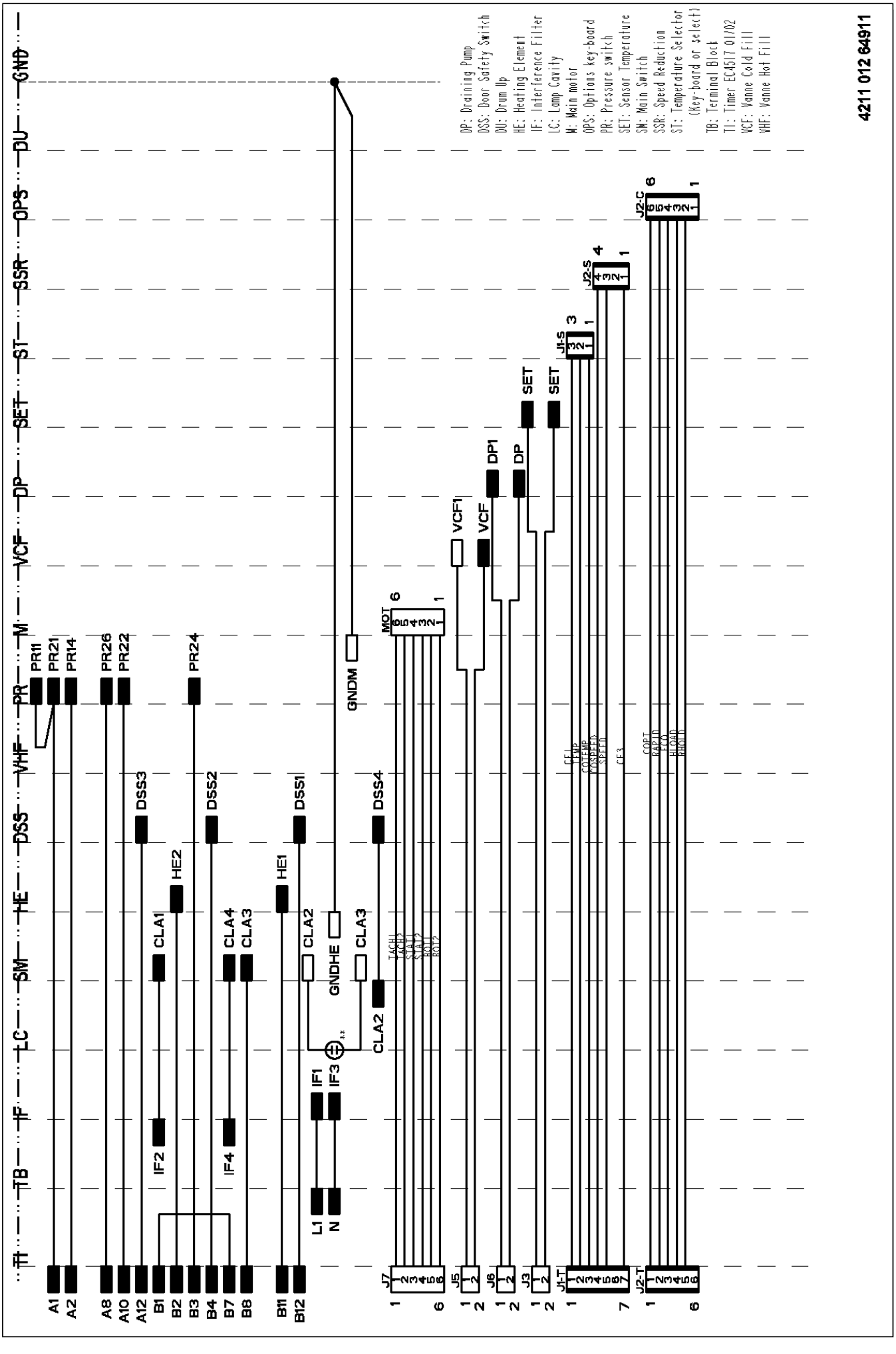
Exploded view



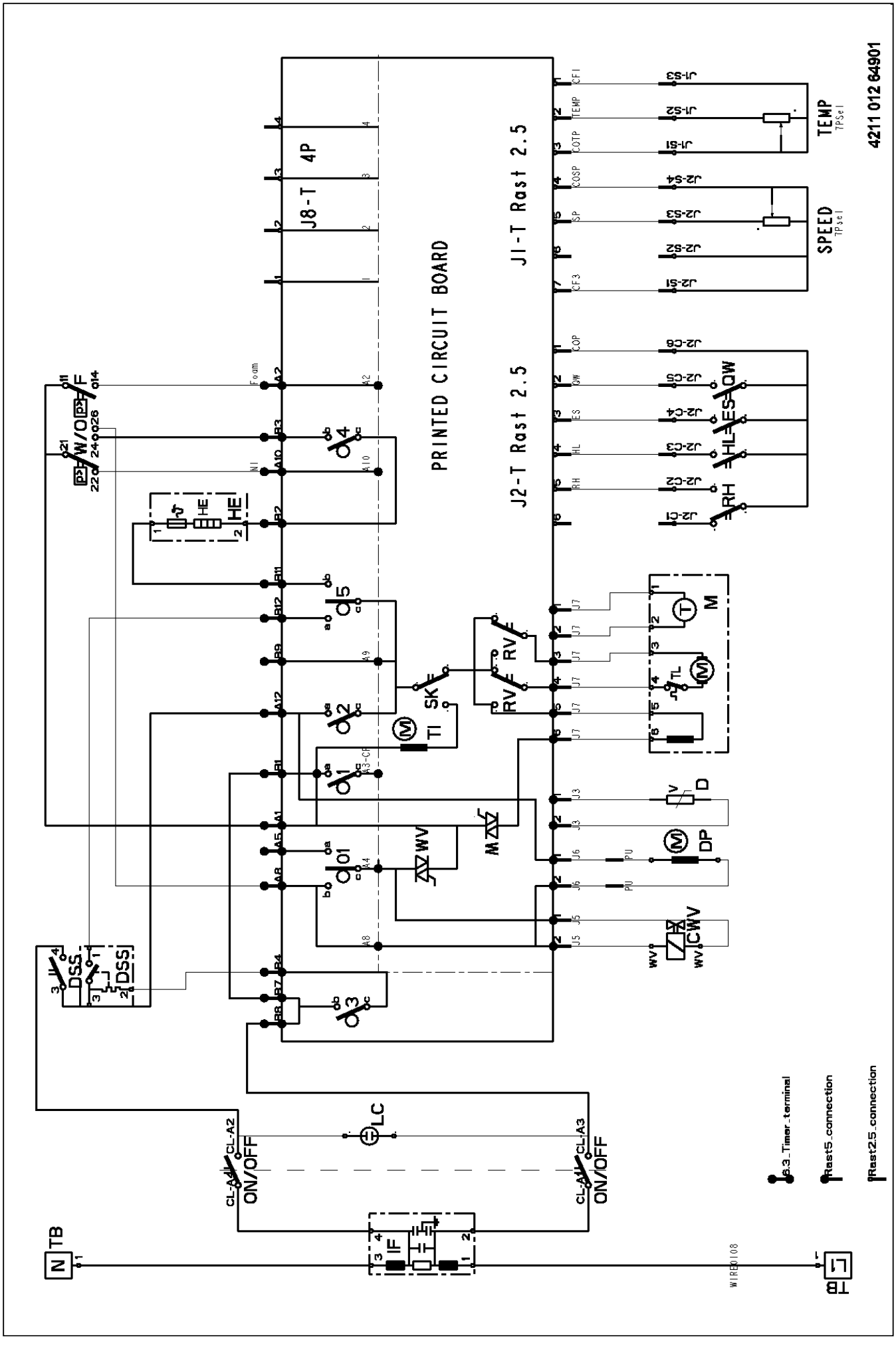
Exploded view

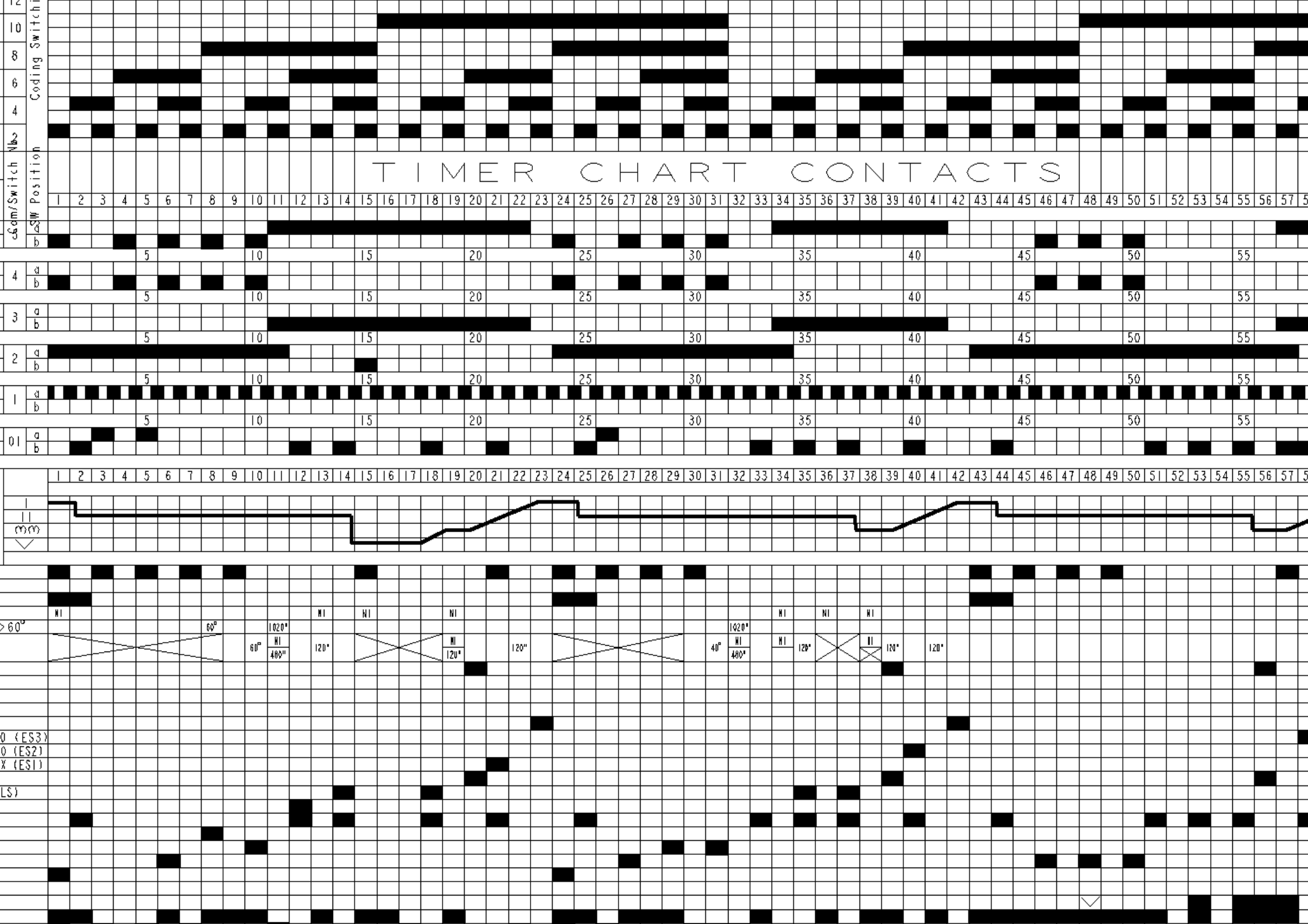


Wiring diagram


4211 012 64911
DP: Draining Pump
DSS: Door Safety Switch
DU: Drum Up
HE: Heating Element
IF: Interference Filter
LC: Lamp Cavity
M: Main motor
OPS: Options key-board
PR: Pressure switch
SET: Sensor Temperature
SM: Main Switch
SSR: Speed Reduction
ST: Temperature Selector (key-board or select)
TB: Terminal Block
TI: Timer EC4617 01/02
VCF: Vanne Cold Fill
VHF: Vanne Hot Fill
TI TB IF LC SM HE DSS VHF PR M VCF DP SET ST SSR OPS DU GND
PR11 PR21 PR14 PR26 PR22 PR24
DSS3 DSS2 DSS1 DSS4
HE2 HE1
CLA1 CLA4 CLA3 CLA2 CLA3 CLA2
IF2 IF4 IF1 IF3
GNDHE GNDM
L1 N
MOT
VCF1 VCF DP1 DP SET SET
J7 J5 J6 J3 J1-T J1-S J2-S J2-C J2-T
A1 A2 A8 A10 A12 B1 B2 B3 B4 B7 B8 B11 B12

Circuit diagram




TIMER CHART CONTACTS
Cam/Switch Nbr
SW Position
Coding Switching
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57
12
10
8
6
4
2
a
b
01
5 10 15 20 25 30 35 40 45 50 55
NI
60°
120°
240°
480°
> 60°
0 (ES3)
0 (ES2)
X (ES1)
LS)